

APPENDIX J
ACRES, PERIMETERS, AND CONSOLIDATION:
PUBLIC AND TRIBAL LANDS

Table J.1: Acres and Perimeters, Selected Public Lands¹

Township, Range	Section	Acres	Perimeter (miles)
4S 4E	16, all	634.89	3.98
4S 4E	17, parcel	28.95	0.86
4S 4E	18, NE parcel	81.27	1.51
4S 4E	18, NW parcel	40.72	1.01
4S 4E	18, SW parcel	20.15	0.75
4S 4E	36, portion	507.89	4.00
5S 4E	5, all	643.06	4.01
5S 4E	16, all	638.51	3.99
5S 4E	21, all	642.12	4.00
5S 4E	27, all	638.63	3.99
5S 4E	29, all	637.14	3.99
5S 4E	32, all	644.40	4.01
5S 4E	36, all	641.25	4.00
Total		5,798.98	

Table J.2: Acres and Perimeters, Offered Tribal Lands²

Township, Range	Section	Acres	Perimeter (miles)
5S 5E	7, all	656.29	4.05
5S 5E	19/20, all/portion	813.71	4.54
Total		1,470.00	

¹ Acreages and mileages provided in these tables suggest accuracy to one-hundredth of an acre and one-hundredth of a mile, respectively. These figures are derived from GIS calculations using current databases. GIS projections of land ownership and section lines, however, do not precisely equate to surveyed property boundaries. Therefore, while the acreages and mileages herein provided are considered accurate for the purposes of this draft EIS, they may not be precise to the level of exactitude represented.

² GIS calculation for total of offered Tribal lands is 1,468.66 acres. To avoid inconsistency with documents wherein the offered Tribal lands proposed for exchange total 1,470 acres, the acreages for each of the of the three sections or portions of sections offered for the exchange is multiplied by 1.0009116, reflecting that 1,468.66 is 99.908843 percent of 1,470 (100 minus 99.908843 = 0.09116).

Table J.3: Acres and Perimeters, Non-Selected Public Lands Relevant to Consolidation

Township, Range	Section	Acres	Perimeter (miles)
5S 4E	1, portion	537.11	4.05
5S 5E	6, all	669.04	4.09
5S 5E	8, portion	479.68	4.00
5S 5E	18, all	657.23	4.05
5S 5E	20, portion	481.32	3.50
5S 5E	28, all	641.91	4.00
5S 5E	29, portion	562.57	4.01
5S 5E	30, all	658.27	4.06
5S 5E	32, all	642.55	4.01
5S 5E	33, all	643.64	4.01
5S 5E	34, all	641.80	4.01
6S 5E	4, all	638.13	4.00
6S 5E	5, portion	578.86	4.00
6S 5E	6, all	628.77	3.96
6S 5E	8, all	641.15	4.00
6S 5E	9, portion	602.47	5.00
6S 5E	10, all	640.17	4.00
6S 5E	14, all	647.62	4.02
6S 5E	15, portion	398.52	4.50
6S 5E	16, all	641.21	4.00
6S 5E	17, portion	603.80	4.01
Total		12,635.82	

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Table J.4: Blocks of Consolidated Selected Public Lands by Category (see section 2.2)

Block	Constituent Sections	Acres	Perimeter (miles)
Category 1	Category 1	Category 1	Category 1
1	<u>T4S R4E</u> Sec. 17 (parcel)	28.95	0.86
2	<u>T4S R4E</u> Sec. 18 (NE parcel)	81.27	1.51
3	<u>T4S R4E</u> Sec. 18 (NW parcel)	40.72	1.01
4	<u>T4S R4E</u> Sec. 18 (SW parcel)	20.15	0.75
5	<u>T5S R4E</u> Sec. 5	643.06	4.01
6	<u>T5S R4E</u> Sec. 16 & 21	1,280.63	5.99 (3.99 + 4.00 = 7.99 – 2.00 [1-mile coincident boundary between sec. 16 & 21])
7	<u>T5S R4E</u> Sec. 27	638.63	3.99
8	<u>T5S R4E</u> Sec. 29 & 32	1,281.54	6.00 (3.99 + 4.01 = 8.00 – 2.00 [1-mile coincident boundary between sec. 29 & 32])
Subtotal		4,014.95	24.12
Category 2	Category 2	Category 2	Category 2
9	<u>T5S R4E</u> Sec. 36	641.25	4.00
Subtotal		641.25	4.00
Category 3	Category 3	Category 3	Category 3
10	<u>T4S R4E</u> Sec. 16	634.89	3.98
11	<u>T4S R4E</u> Sec. 36 (portion)	507.89	4.00 (0.625 of the 4.00- mile perimeter is coincident with public lands not selected for exchange: sec. 1, T5S R4E & sec. 6, T5S R5E)
Subtotal		1,142.78	7.98
Total		5,798.98	36.10

Table J.5: Blocks of Non-Selected Public Lands Relevant to Consolidation³

Block	Constituent Sections	Acres	Perimeter (miles)
1	<u>T5S R4E</u> Sec. 1 (portion) <u>T5S R5E</u> Sec. 6	1,206.15	6.14 (8.14 – 2.00 [1-mile coincident boundary between sec. 1 & 6; 0.625 of the 6.14-mile boundary is coincident with public lands selected for exchange: sec. 36, T4S R4E])
2	<u>T5S R5E</u> Sec. 8 (portion)	479.68	4.00
3	<u>T5S R5E</u> Sec. 18	657.23	4.05
4	<u>T5S R5E</u> Sec. 20 (portion), 28, 29 (portion), 30, 32, 33, 34 <u>T6S R5E</u> Sec. 4, 5 (portion), 6, 8, 9 (portion), 10, 14, 15 (portion), 16, 17 (portion)	10,292.76	32.84 (accounts for [subtracts] 18.125 miles of coincident boundaries between sections of public lands within the block; accounts for 4.25 miles of boundaries with three nonpublic inholdings within the block: 69.09 – 36.25 [2 x 18.125] = 32.84)
Total		12,635.82	47.03

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³ Since the purpose and need for the proposed land exchange (as described in section 1.3 of this draft EIS) is to reduce the extent of checkerboard landownership by consolidating public and Tribal lands, this and other tables in Appendix J reflect how certain public lands not selected for the exchange may be included in blocks (or consolidations) of lands as a consequence of the exchange.

Table J.6: Blocks of Consolidated Public Lands, Category 1, 2, and 3 Lands Exchanged⁴

Block	Constituent Sections	Acres	Perimeter (miles)
1	<u>T5S R4E</u> Sec. 1 (portion) <u>T5S R5E</u> Sec. 6, 7, 8 (portion), 18, 19, 20, 28, 29 (portion), 30, 32, 33, 34 <u>T6S R5E</u> Sec. 4, 5 (portion), 6, 8, 9 (portion), 10, 14, 15 (portion), 16, 17 (portion)	14,105.82	42.85
		Ratio of public-nonpublic land interfaces to acres managed: 1:329.19	Ratio of public-nonpublic land interfaces to acres managed: 1:329.19

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⁴ This portrayal of consolidation assumes all selected public lands (BLM Categories 1, 2, and 3) are exchanged for the offered Tribal lands (consistent with scenario three of the proposed action as described in chapter four); none of the selected public lands would be retained by the BLM. As indicated in section 1.2 of this draft EIS, however, the extent of public lands to be exchanged may be reduced if the *relative* estimated value of the combined public lands compared to that of the combined Tribal lands has not substantially changed since 2003 when estimates of value were first identified in “Supplement to the Agreement to Initiate Assembled Land Exchange between the Bureau of Land Management and the Agua Caliente Band of Cahuilla Indians” (BLM and ACBCI 2003). While *actual* land values may have changed over the last decade, the *relative* value between the selected public lands and the offered Tribal lands is of primary importance in this land exchange, i.e., whether the combined value of the public lands is less than, equal to, or more than the combined value of the Tribal lands. If the extent of public lands is reduced consequent to the value equalization process described in section 2.2, the ratio of public-nonpublic land interfaces to acres managed will change.

Table J.7: Blocks of Consolidated Public Lands, Category 1 & 2 Lands Exchanged⁵

Block	Constituent Sections	Acres	Perimeter (miles)
1	<u>T4S R4E</u> Sec. 16	634.89	3.98
2	<u>T4S R4E</u> Sec. 36 (portion) <u>T5S R4E</u> Sec. 1 (portion) <u>T5S R5E</u> Sec. 6, 7, 8 (portion), 18, 19, 20, 28, 29 (portion), 30, 32, 33, 34 <u>T6S R5E</u> Sec. 4, 5 (portion), 6, 8, 9 (portion), 10, 14, 15 (portion), 16, 17 (portion)	14,613.71	45.60
Total		15,248.60	49.58
		Ratio of public- nonpublic land interfaces to acres managed: 1:307.56	Ratio of public- nonpublic land interfaces to acres managed: 1:307.56

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⁵ This table portrays the result of the value equalization process described in section 2.2 of this draft EIS if BLM Category 1 and Category 2 lands only are exchanged for the offered Tribal lands (consistent with scenario two of the proposed action as described in chapter four). In this scenario, the BLM would retain all Category 3 lands, i.e., sections 16 (all) and 36 (portion), T4S R4E.

Table J.8: Blocks of Consolidated Public Lands, Category 1 Lands Exchanged⁶

Block	Constituent Sections	Acres	Perimeter (miles)
1	<u>T4S R4E</u> Sec. 16	634.89	3.98
2	<u>T5S R4E</u> Sec. 36	641.25	4.00
3	<u>T4S R4E</u> Sec. 36 (portion) <u>T5S R4E</u> Sec. 1 (portion) <u>T5S R5E</u> Sec. 6, 7, 8 (portion), 18, 19, 20, 28, 29 (portion), 30, 32, 33, 34 <u>T6S R5E</u> Sec. 4, 5 (portion), 6, 8, 9 (portion), 10, 14, 15 (portion), 16, 17 (portion)	14,613.71	45.60
Total		15,889.85	53.58
		Ratio of public- nonpublic land interfaces to acres managed: 1:296.56	Ratio of public- nonpublic land interfaces to acres managed: 1:296.56

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⁶ This table portrays the result of the value equalization process described in section 2.2 of this draft EIS if BLM Category 1 lands only are exchanged for the offered Tribal lands (consistent with scenario one of the proposed action as described in chapter four). In this scenario, the BLM would retain all Category 2 and Category 3 lands, i.e., sections 16 (all) and 36 (portion), T4S R4E, and section 36 (all), T5S R4E.

Table J.9: Blocks of Consolidated Public Lands, Preferred Alternative⁷

Block	Constituent Sections	Acres	Perimeter (miles)
1	<u>T4S R4E</u> Sec. 36 (portion) <u>T5S R4E</u> Sec. 1 (portion) <u>T5S R5E</u> Sec. 6, 7, 8 (portion), 18, 19, 20, 28, 29 (portion), 30, 32, 33, 34 <u>T6S R5E</u> Sec. 4, 5 (portion), 6, 8, 9 (portion), 10, 14, 15 (portion), 16, 17 (portion)	14,613.71	45.60
		Ratio of public-nonpublic land interfaces to acres managed: 1:320.48	Ratio of public-nonpublic land interfaces to acres managed: 1:320.48

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⁷ This table portrays the result of the value equalization process described in section 2.3 of this draft EIS if BLM Category 1, Category 2, and Category 3 lands, except the selected public lands in section 36, T4S R4E, are exchanged for the offered Tribal lands. In this scenario, the BLM would retain only the selected public lands in section 36, T4S R4E.

Table J.10: Blocks of Consolidated Public Lands, No Action Alternative

Block	Constituent Sections	Acres	Perimeter (miles)
1	<u>T4S R4E</u> Sec. 16	634.89	3.98
2	<u>T4S R4E</u> Sec. 17 (parcel)	28.95	0.86
3	<u>T4S R4E</u> Sec. 18 (NE parcel)	81.27	1.51
4	<u>T4S R4E</u> Sec. 18 (NW parcel)	40.72	1.01
5	<u>T4S R4E</u> Sec. 18 (SW parcel)	20.15	0.75
6	<u>T5S R4E</u> Sec. 5	643.06	4.01
7	<u>T5S R4E</u> Sec. 16 & 21	1,280.63	5.99
8	<u>T5S R4E</u> Sec. 27	638.63	3.99
9	<u>T5S R4E</u> Sec. 29 & 32	1,281.54	6.00
10	<u>T5S R4E</u> Sec. 36	641.25	4.00
11	<u>T4S R4E</u> Sec. 36 (portion) <u>T5S R4E</u> Sec 1 (portion) <u>T5S R5E</u> Sec. 6	1,714.04	8.89
12	<u>T5S R5E</u> Sec. 8 (portion)	479.68	4.00
13	<u>T5S R5E</u> Sec. 18	657.23	4.05
14	<u>T5S R5E</u> Sec. 20 (portion), 28, 29 (portion), 30, 32, 33, 34 <u>T6S R5E</u> Sec. 4, 5 (portion), 6, 8, 9 (portion), 10, 14, 15 (portion), 16, 17 (portion)	10,292.76	32.84
Total		18,434.80	81.88
		Ratio of public- nonpublic land interfaces to acres managed: 1:225.14	Ratio of public- nonpublic land interfaces to acres managed: 1:225.14

Table J.11: Summary, Consolidation of Public Lands by Alternative

Alternative	Blocks (# managed by BLM) ⁸	Acres of public lands exchanged	Acres of public lands retained ⁹	Ratio of public- nonpublic land interfaces to acres managed
Proposed Action, Cat. 1 ¹⁰	3	4,014.95	1,784.03	1:296.56
Proposed Action, Cat. 1, 2 ¹⁰	2	4,656.20	1,142.78	1:307.56
Proposed Action, Cat. 1, 2, 3 ¹⁰	1	5,798.98	0	1:329.19
Preferred Alternative ¹¹	1	5,291.09	507.89	1:320.48
No Action Alternative	14	0	5,798.98	1:225.14

⁸ This column indicates the number of blocks of lands to be managed by the BLM upon implementation of the various alternatives, including blocks formed through incorporation of public lands not selected for the proposed land exchange, as appropriate.

⁹ Whereas the tables in this appendix address public lands not selected for the proposed land exchange (see previous footnote), acres of public lands identified in this column include only those public lands selected for the exchange. Hence, the combination of acres in this column and the column to the left equal the total acreage of the public lands identified for the exchange, i.e., 5,798.98 acres.

¹⁰ As described in section 2.2 of this draft EIS, the land value equalization process occurs in a prescribed sequence, starting with BLM Category 1 lands and proceeding to include Categories 2 and 3 dependent on appraised values of the selected public lands relative to the offered Tribal lands. This table compares potential outcomes of the value equalization process. The columns to the right portray the outcome if only BLM Category 1 lands are exchanged, if only Category 1 and 2 lands are exchanged, and if all Category 1, 2, and 3 lands are exchanged.

¹¹ As described in section 2.3 of this draft EIS, the preferred alternative is identical to the proposed action except that it eliminates all public lands in section 36, T.4S. R.4E., from the land exchange in order to better conform to the stated purpose and need for the land exchange. Hence, there would be no difference between the proposed action and the preferred alternative regarding acres of public lands exchanged and retained, or the ratio of public-nonpublic land interfaces to acres managed, if only BLM Category 1 lands are exchanged, if only BLM Category 1 and 2 lands are exchanged, and if BLM Category 1, 2, and 3 lands are exchanged, except for section 36, T.4S. R.4E.